

2682/17 JFV
PTO/SB/21 (09/00)

MODIFIED

**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

213200.00072

* plus reference copies

Total Number of Pages in This Submission

10

Application Number

09/920,240

Filing Date

08/01/2001

First Named Inventor

Pierle ROO

Group Art Unit

2682

Examiner Name

Eugene Yun

Attorney Docket Number

MP0039.CIP

ENCLOSURES (check all that apply)

Fee Transmittal Form

Credit Card
Authorization

Amendment / Reply



After Final



Affidavits/declaration(s)



Extension of Time Request



Express Abandonment Request

Information Disclosure Statement with
PTO-1449 and cited referencesCertified Copy of Priority
Document(s)Response to Missing Parts/
Incomplete ApplicationResponse to Missing Parts
under 37 CFR 1.52 or 1.53Assignment Papers
(for an Application)

Drawing(s)



Licensing-related Papers



Petition

Petition to Convert to a
Provisional Application

Associate Power of Attorney



Terminal Disclaimer



Request for Refund



CD, Number of CD(s) _____

After Allowance Communication
to GroupAppeal Communication to Board
of Appeals and InterferencesAppeal Communication to Group
(Appeal Notice, Brief, Reply Brief)

Proprietary Information



Status Letter

Other Enclosure(s) (please
identify below):

Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENTFirm
or
Individual nameAndrew J. Bateman
Registration No.: 45,573

Signature

Date

07/08/2005

CERTIFICATE OF MAILINGI hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date:

Typed or printed name

Signature

Date

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /EY/



FEE TRANSMITTAL for FY 2005

Effective 10/01/2005. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)**180.00**

Complete if Known

Application Number 09/920,240
Filing Date 08/01/2001
First Named Inventor Pierte ROO
Examiner Name Eugene Yun
Art Unit 2682
Attorney Docket No. MP0039.CIP

METHOD OF PAYMENT (check all that apply)

☐ Check ☒ Credit card ☐ Money Order ☐ Other ☐ None

☐ Deposit Account:

Deposit Account

50-1710

Account Name

KATTEN MUCHIN ROSENMAN, LLP

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge above Deposit Account with any additional fees necessary UNDER 37 CFR 1.16 AND/OR 1.17 to maintain pendency of this application.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Description	Fee Paid
1001 300	2001 150	Utility Filing Fee	300.00
1111 500	2111 250	Utility Search Fee	500.00
1311 200	2311 100	Patent Examination Fee	200.00

SUBTOTAL (1) (\$)**0.00**

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Extra Claims Fee
Total Claims ☐ - 20** = ☐ X ☐ 50.00 = ☐
Independent ☐ - 3** = ☐ X ☐ 200.00 = ☐
Multiple Dependent ☐ 360.00 = ☐

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Description
1202 50	2202 25	Claims in excess of 20
1201 200	2201 100	Independent claims in excess of 3
1203 360	2203 180	Multiple dependent claim, if not paid
1204 200	2204 100	** Reissue independent claims over original patent
1205 50	2205 25	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)**0.00**

** or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code \$	Small Entity Fee Code \$	Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 120	2251 60	Extension for reply within first month	
1252 450	2252 225	Extension for reply within second month	
1253 1,020	2253 510	Extension for reply within third month	
1254 1,590	2254 795	Extension for reply within fourth month	
1255 2,160	2255 1,080	Extension for reply within fifth month	
1401 500	2401 250	Notice of Appeal	
1402 500	2402 250	Filing a brief in support of an appeal	
1403 1,000	2403 500	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 500	2452 250	Petition to revive - unavoidable (1.17)(i))	
1453 1,500	2453 750	Petition to revive - unintentional (1.17)(m))	
1501 1,400	2501 700	Utility issue fee (or reissue)	
1502 800	2502 400	Design issue fee	
1503 1,100	2503 550	Plant issue fee	
1460 130	1460 130	Petitions to the Director	
1807 50	1807 50	Processing fee - provisional app (1.17)(q))	
1806 180	1806 180	Submission of Information Disclosure Stmt	180.00
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 790	2809 395	Filing a submission after final rejection (1.129(a))	
1814 130	2814 65	Statutory Disclaimer	
1801 790	2801 395	Request for Continued Examination (RCE)	
1802 900	1802 900	Req for expedited examination - Design App	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)**180.00**

SUBMITTED BY

Name: Andrew J. Bateman

Registration No.: 45,573

Telephone: (202) 625-3547

Signature: Andrew J. Bateman

Date: 07/08/2005

WARNING: As information on this form may become public, credit card information should not be included. Provide credit card information/authorization on PTO-2038.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /EY/

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Pierle ROO

Application No.: 09/920,240

Filed: August 1, 2001

For: ACTIVE RESISTIVE SUMMER FOR
A TRANSFORMER HYBRID

Examiner: Eugene YUN

Group Art Unit: 2682

Confirmation No.: 4035

Date: July 8, 2005

INFORMATION DISCLOSURE STATEMENTCommissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with the duty of disclosure under 37 CFR § 1.56 and in accordance with the practice under 37 CFR §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the enclosed PTO-1449 and to the attached copies of any non-U.S. patent documents listed thereon.

In accordance with 37 CFR § 1.97(h), this Information Disclosure Statement is not to be construed as an admission that the information cited is or is considered to be material to patentability as defined in 37 CFR § 1.56(b), nor as an admission that the information constitutes prior art within the meaning of 35 USC §§ 102 and/or 103.

It is respectfully requested that the information listed on the PTO-1449 be considered by the Examiner, and that an initialed copy of the PTO-1449 be returned indicating that such information was considered.

Authorization for payment of the IDS fee of \$180.00 is being filed concurrently herewith.

Should the Examiner have any questions, Applicant's undersigned attorney is reachable by telephone in our Washington, D.C. office at (202) 625-3547. The correspondence address of record is provided below.

Respectfully submitted,

KATTEN MUCHIN ROSENMAN, LLP

By:

Andrew J. Bateman
Registration No. 45,573IP Docket
Katten Muchin Rosenman, LLP
1025 Thomas Jefferson St., NW
East Lobby, Suite 700
Washington, DC 20007-5201
Facsimile No.: (202) 298-7570
07/12/2005 MBYE1 00000124 09920240



FORM PTO 1469 MODIFIED
U.S. PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO.

APPLICATION NO.

MP0039.CIP

09/920,240

LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

Pierre ROO

DATE SUBMITTED TO USPTO: July 8, 2005

FILING DATE

GROUP

08/01/2001

2682

U.S. PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	2002/0136321	09/2002	CHAN			
	2003/0002570	01/2003	CHAN			
	2004/0005015	01/2004	CHAN			
	2004/0090981	05/2004	LIN, et al.			
	2004/0091071	05/2004	LIN, et al.			
	2004/0105504	06/2004	CHAN			
	2005/0025266	02/2005	CHAN			
	60/106,265	10/30/1998	CHAN			
	4,131,767	12/1978	WEINSTEIN			
	5,323,157	06/1994	LEDZIUS, et al.			
	6,185,263	02/2001	CHAN			
	6,259,680	07/2001	BLACKWELL, et al.			
	6,259,745	07/2001	CHAN			
	6,373,908	04/2002	CHAN			
	6,389,077	05/2002	CHAN			
	6,411,647	06/2002	CHAN			
	6,509,857	01/2003	NAKAO			
	6,594,304	07/2003	CHAN			
	6,690,742	02/2004	CHAN			
	6,744,831	06/2004	CHAN			
	6,188,282	02/01	MONTALVO			
	6,204,788	03/2001	TANI			
	6,236,346	05/2001	SCHOFIELD			

EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

SHEET 2 OF 6

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /EY/



FORM PTO 1449 MODIFIED
U.S. PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO.
MP0039.CIP

APPLICATION NO.
09/920,240

LIST OF REFERENCES CITED BY APPLICANT

DATE SUBMITTED TO USPTO: July 8, 2005

APPLICANT
Pierre ROO
FILING DATE 08/01/2001
GROUP 2817

U.S. PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	4,746,903	05/1988	CZARNIAK, et al.			
	5,043,730	08/1991	OBINNATA			
	5,465,272	11/95	SMITH			
	5,471,665	11/95	PACE, et al.			
	5,489,873	02/96	KAMATA, et al.			
	5,508,656	04/96	JAFFARD, et al.			
	5,517,141	05/96	ABDI, et al.			
	5,539,405	07/1996	NORSWORTHY			
	5,572,158	11/96	LEE, et al.			
	5,585,795	12/1996	YUASA, et al.			
	5,587,681	12/96	FOBBESTER			
	5,648,738	07/97	WELLAND, et al.			
	5,663,728	09/1997	ESSENWANGER			
	5,757,219	05/98	WEEDON, et al.			
	5,760,726	06/1998	KOIFMAN, et al.			
	5,798,664	08/98	NAGAHORI, et al.			
	5,844,439	12/98	ZORTEA			
	5,880,615	03/99	BAZES			
	5,940,442	08/99	WONG, et al.			
	6,043,766	03/00	HEE, et al.			
	6,044,489	03/00	HEE, et al.			
	6,121,831	09/00	MACK			
	6,140,857	10/00	BAZES			
	6,148,025	11/00	SHIRANI, et al.			
	6,163,283	12/2000	SCHOFIELD			

EXAMINER

DATE CONSIDERED

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SHEET 3 OF 6

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /EY/



ATTORNEY DOCKET NO.	APPLICATION NO.
MP0039.CIP	09/920,240
APPLICANT	
Pierle ROO	
FILING DATE	GROUP
08/01/2001	2682

LIST OF REFERENCES CITED BY APPLICANT

DATE SUBMITTED TO USPTO: July 8, 2005

OTHER DOCUMENTS (Including author, title, date, pertinent pages, etc.)

	Bertolaccini, Mario, et al., "A Precision Baseline Offset and Drift Corrector for Low-Frequency Applications, IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, Vol. IM-34, No. 3, September, 1985, pp. 405-412.
	Everitt, James, et al., "A CMOS Transceiver for 10-Mb/s and 100-Mb/s Ethernet," IEEE JOURNAL OF SOLID-STATE CIRCUITS, Vol. 33, No. 12, December 1998, pp. 2169-2177.
	Kelly, N. Patriole, et al., "WA 18.5 - A Mixed-Signal DFE/FFE Receiver for 100Base-TX Applications," ISSCC 2000/SESSION 18/WIRELINE COMMUNICATIONS/PAPER WA 18.5, 2000 IEEE International Solid-State Circuits Conference, pp. 310-311.
	Song, Bang-Sup, et al., "FP 12.1: NRZ Timing Recovery Technique for Band-Limited Channels," ISSCC 96/SESSION 12/SERIAL DATA COMMUNICATIONS/PAPER FP 12.1, 1996 IEEE International Solid State Circuits Conference pp. 194-196.
	LINEAR TECHNOLOGY, High-Speed Modem Solutions, InfoCard 20, Linear Technology Corporation.
	LINEAR TECHNOLOGY, LT1355/LT1356, Dual and Quad 12MHz, 400V/us Op Amps, Linear Technology Corporation, pp. 1-16.
	LINEAR TECHNOLOGY, LT1358/LT1359, Dual and Quad 25MHz, 600V/us Op Amps, Linear Technology Corporation, pp. 1-12.
	LINEAR TECHNOLOGY, LT1361/LT1362, Dual and Quad 50MHz, 800V/us Op Amps, Linear Technology Corporation, pp. 1-12.
	LINEAR TECHNOLOGY, LT1364/LT1365, Dual and Quad 70MHz, 1000V/us Op Amps, Linear Technology Corporation, pp. 1-12.
	LINEAR TECHNOLOGY, LT1813/LT1814, Dual/Quad 3mA, 100MHz, 750V/us Operational Amplifiers, Linear Technology Corporation, pp. 1-16.
	Yamaguchi, et al., "400Mbit/s Submarine Optical Repeater Using Integrated Circuits," Fujitsu Laboratories Ltd. and ENGLISH LANGUAGE TRANSLATION
	Uda, et al., "125Mbit/s Fiber Optic Transmitter/Receiver with Duplex Connector", Fiber Optic Communications Development Div., NEC Corporation, NEC Engineering, Ltd. and ENGLISH LANGUAGE TRANSLATION
	Mueller, K.H., "Combining Echo Cancellation and Decision Feedback Equalization," THE BELL SYSTEM TECHNICAL JOURNAL, Vol. 58, No. 2, February 1979, pp. 491-500.
	Goldberg, Lee, "Gigabit Ethernet PHY Chip Sets LAN Speed Record for CopperStory," TECH INSIGHTS, November 16, 1998.
	"Gigabit Ethernet 1000Base-T," GIGABIT ETHERNET ALLIANCE, copyright 1997
	THE ELECTRICAL ENGINEERING HANDBOOK, Chapter 31, "D/A and A/D Converters," Richard C. Dorf, editor, CRC Press, 1993
	H4000 DIGITAL ETHERNET TRANSCEIVER TECHNICAL MANUAL, Distributed Systems, Chapter 3, pp. 3-1 to 3-11, copyright 1982 by Digital Equipment Corporation
	IEEE STANDARDS 802.3ab-2002, "Part 3: Carrier sense multiple access with collision detection (CSMA/CD) access method and physical layer specifications", pp. 147-249

EXAMINER	DATE CONSIDERED
<p>* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	
SHEET 4 OF 6	

ATTORNEY DOCKET NO.

APPLICATION NO.

MP0039.CIP

09/920,240

LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

Pierte ROO

FILING DATE

GROUP

08/01/2001

2682

DATE SUBMITTED TO USPTO: July 8, 2005

U.S. PATENT DOCUMENTS

*EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	3,543,009	11/1970	VOELCHER, JR.			
	4,362,909	12/1982	SNIJERS, et al.			
	4,727,566	02/1988	DAHLQVIST			
	4,888,762	12/1989	ARAI			
	4,935,919	06/1990	HIRAGUCHI			
	4,947,171	08/1990	PFIEFER, et al.			
	4,999,830	03/1991	AGAZZI			
	5,222,084	06/1993	TAKAHASHI			
	5,305,379	04/1994	TAKEUCHI			
	5,357,145	10/1994	SEGARAM			
	5,418,478	05/1995	VAN BRUNT, et al.			
	5,539,773	07/1996	KNEE, et al.			
	5,596,439	01/1997	DANKBERG, et al.			
	5,625,357	04/1997	CABLER			
	5,651,029	07/1997	YANG			
	5,659,609	08/1997	KOIZUMI, et al.			
	5,663,728	09/1997	ESSENWANGER			

EXAMINER

/Eugene Yun/

DATE CONSIDERED

02/20/2009

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SHEET 6 OF 6

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